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FIG.1

AUTHOR: TAMINORI TOMITA
 NATIONALITY: JAPAN
 BORN IN: 1969
 DIED IN:

[ABSTRACT]

[OBJECT]

TO PROVIDE A TECHNOLOGY WHICH IS CAPABLE OF PREVENTING UNFAIR
 USE OF DIGITAL CONTENTS

[SOLVING MEANS]

A DIGITAL CONTENTS UNFAIR USE PREVENTING METHOD WHICH PREVENTS
 UNFAIR USE OF DIGITAL CONTENTS COMPRISING THE STEPS OF:
 PRESETTING INFORMATION ON THE STATE TO CONTROL THE PLAYBACK
 PROCESSING OF THE DIGITAL CONTENTS IN INTEREST; AND
 DEPENDING UPON THE VALUE OF SAID PRESET STATE INFORMATION,
 CONTROLLING THE PLAYBACK PROCESSING OF THE DIGITAL CONTENTS
 IN INTEREST

SIGNATORY INFORMATION: CN=Tomita Taminori, O=Hitachi, C=JP
 VERIFICATION RESULT: OK

101

102

FIG.2

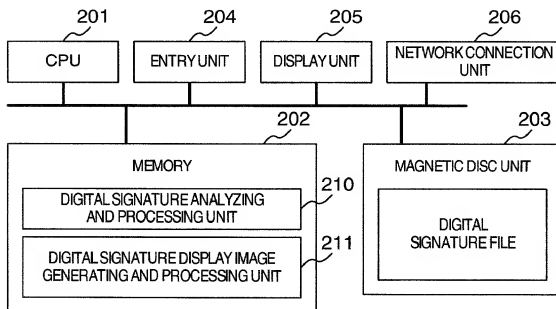


FIG.3

DIGITAL SIGNATURE ANALYZING AND PROCESSING UNIT 210

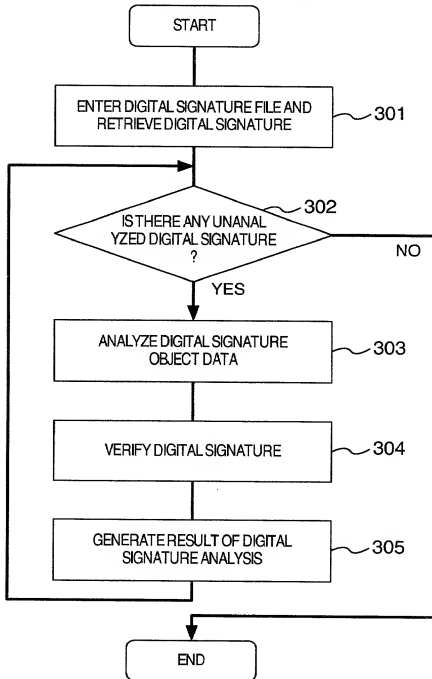


FIG.4

IMAGE GENERATING AND PROCESSING UNIT 211

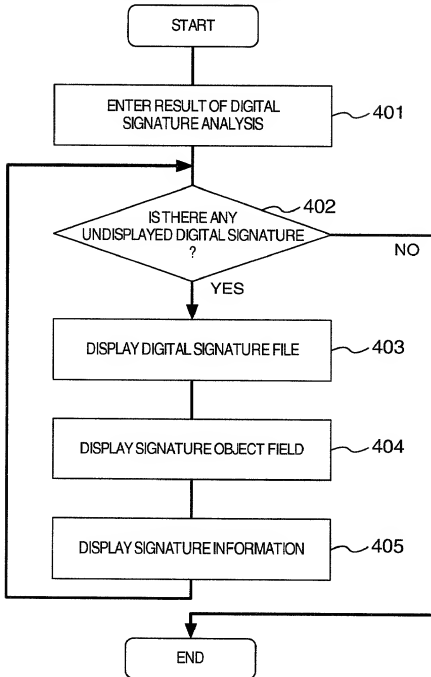


FIG.5

dsign.xml

```

001 <document>
002   <Signature>
003     <SignedInfo>
004       <SignatureMethod Algorithm="http://..."/>
005       <Reference IDREF="ALL">
006         <DigestMethod Algorithm="http://..."/>
007         <DigestValue Encoding="...">
008           WfKRiGWIAri9bY9k/sXgBFt4ge4=
009         </DigestValue>
010       </Reference>
011     </SignedInfo>
012     <SignatureValue>
013       MCwCFBOM62xmMGm7qfBt8R+Zv4YulAhRvQHIDkgAdtnDQIOYQg07srWhaiA=
014     </SignatureValue>
015     <KeyInfo>
016       <X509Date>
017         <X509Name> CN=Tomita Taminori, O=Hitachi, C=JP </X509Name>
018         <X509Certificate>
019           tLKJqNhznnUkqZQ2ce+6slauJ8ow7yALDZJhzFihHzALBgqchjqooAQDBQADLwAwLAIUZUJD
020         </X509Certificate>
021       </X509Date>
022     </keyInfo>
023   </Signature>
024   <Object ID="ALL">
025     <Object Id="author">
026       <author>
027         <last-name> Tomita </last-name>
028         <first-name> Taminori </first-name>
029         <nationality> Japan </nationality>
030         <year-of-birth> 1969 </year-of-birth>
031         <year-of-death> ---- </year-of-death>
032       </author>
033     </Object>
034     <Object Id="title">
035       <title>[ABSTRACT] </title>
036     <lines>
037       <line>[OBJECT]
038       <line>TO PROVIDE A TECHNOLOGY WHICH IS CAPABLE OF PREVENTING UNFAIR
        USE OF DIGITAL CONTENTS </line>
039       <line>[SOLVING MEANS] </line>
040       <line>A DIGITAL CONTENTS UNFAIR USE PREVENTING METHOD WHICH PREVENTS
        UNFAIR USE OF DIGITAL CONTENTS COMPRISING THE STEPS OF: </line>
041       <line>PRESETTING INFORMATION ON THE STATE TO CONTROL THE PLAYBACK
        PROCESSING OF THE DIGITAL CONTENTS IN INTEREST; AND </line>
042       <line>DEPENDING UPON THE VALUE OF SAID PRESET STATE INFORMATION, </line>
043       <line>CONTROLLING THE PLAYBACK PROCESSING OF THE DIGITAL CONTENTS IN
        INTEREST </line>
044     </lines>
045   </Object>
046 </Object>
047 </document>

```

FIG.6

#	DIGITAL SIGNATURE FILENAME	SIGNATORY INFORMATION	DIGITAL SIGNATURE OBJECT DATA FILENAME	SIGNATURE OBJECT DATA IDENTIFIER	SIGNATURE VERIFICATION RESULT
1	dsign.xml	CN=Tomita Taminori, O=Hitachi, C=JP	dsign.xml	ALL	OK

FIG.8

AUTHOR: TAMINORI TOMITA
NATIONALITY: JAPAN
BORN IN: 1969
DIED IN:

[ABSTRACT]

[OBJECT]

TO PROVIDE A TECHNOLOGY WHICH IS CAPABLE OF PREVENTING UNFAIR
USE OF DIGITAL CONTENTS

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A DIGITAL CONTENTS UNFAIR USE PREVENTING METHOD WHICH PREVENTS UNFAIR USE OF DIGITAL CONTENTS COMPRISING THE STEPS OF:
PRESETTING INFORMATION ON THE STATE TO CONTROL THE PLAYBACK
PROCESSING OF THE DIGITAL CONTENTS IN INTEREST; AND
DEPENDING UPON THE VALUE OF SAID PRESET STATE INFORMATION,
CONTROLLING THE PLAYBACK PROCESSING OF THE DIGITAL CONTENTS
IN INTEREST

-101

FIG.9

dsign2.xml

901

```

001 <document>
002   <Signature>
003     <SignedInfo>
004       <SignatureMethod Algorithm="http://..."/>
005       <Reference IDREF="#http://home/dsign.html#author">
006         <DigestMethod Algorithm="http://..."/>
007         <DigestValue Encoding="..."/>
008           bY3JsOGl6Nd6dSaT9FAn++2uK9gBF4ge4=
009         </DigestValue>
010       </Reference>
011     </SignedInfo>
012     <SignatureValue>
013       4eXQCdRkXFr/bY3JsOGl6Nd6aT9FAn++2uK9yWegT5mM6aiAqmb0Eiyb50q7d
014     </SignatureValue>
015     <KeyInfo>
016       <X509Date>
017         <X509Name> CN=Taminori Tomita, C=JP </X509Name>
018         <X509Certificate>
019           ILKwKzQZ2oe+6slaulJ6slaul8ow7yALDZJhziFihHzALBgcqhkwLAIUZUJD
020         </X509Certificate>
021       </X509Date>
022     </keyInfo>
023   </Signature>
024   <Signature>
025     <SignedInfo>
026       <SignatureMethod Algorithm="http://..."/>
027       <Reference IDREF="#http://home/dsign.html#title">
028         <DigestMethod Algorithm="http://..."/>
029         <DigestValue Encoding="..."/>
030           hkjOOAQDBQADLwAwLAIUZUJD++2uK9gBF4ge4=
031         </DigestValue>
032       </Reference>
033     </SignedInfo>
034     <SignatureValue>
035       6slaulJ8ow7yALDZJhziFihHzALBgcqhkJOOAQDBQADLwAwLAIUZUJD Aqmb0Eiyb50q7d
036     </SignatureValue>
037     <KeyInfo>
038       <X509Date>
039         <X509Name> CN=Taro Yamada, O=Hitachi syuppan, C=JP </X509Name>
040         <X509Certificate>
041           Ydoys2usleZ9p6xRwEZ YnoCFC97/v+w6FlyM+KgDDAgK9LYxN/n
042         </X509Certificate>
043       </X509Date>
044     </keyInfo>
045   </Signature>
046 </document>

```

902

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904

FIG.10

#	DIGITAL SIGNATURE FILENAME	SIGNATORY INFORMATION	DIGITAL SIGNATURE OBJECT DATA FILENAME	SIGNATURE OBJECT DATA IDENTIFIER	SIGNATURE VERIFICATION RESULT
1	design2.xml	CN=Taminori Tomita, C=JP	design.html	http://home /design.html#auther	OK
2	design2.xml	CN=Taro Yanada, O=Hitachi syuppann, C=JP	design.html	http://home /design.html#title	OK

1001

1002

FIG.11

<p>AUTHOR: TAMINORI TOMITA NATIONALITY: JAPAN BORN IN: 1969 DIED IN:</p>	<p>1101</p>	
<p>SIGNATORY INFORMATION: CN=Taminori Tomita, C=JP VERIFICATION RESULT: OK</p>	<p>1102</p>	
<p>[ABSTRACT]</p> <p>[OBJECT] TO PROVIDE A TECHNOLOGY WHICH IS CAPABLE OF PREVENTING UNFAIR USE OF DIGITAL CONTENTS</p> <p>[SOLVING MEANS] A DIGITAL CONTENTS UNFAIR USE PREVENTING METHOD WHICH PREVENTS UNFAIR USE OF DIGITAL CONTENTS COMPRISING THE STEPS OF: PRESETTING INFORMATION ON THE STATE TO CONTROL THE PLAYBACK PROCESSING OF THE DIGITAL CONTENTS IN INTEREST; AND DEPENDING UPON THE VALUE OF SAID PRESET STATE INFORMATION, CONTROLLING THE PLAYBACK PROCESSING OF THE DIGITAL CONTENTS IN INTEREST</p>		
<p>SIGNATORY INFORMATION: CN=Taro Yamada, C=Hitachi syuppann, C=JP VERIFICATION RESULT: OK</p>		<p>1104</p>

03940594-000001

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FIG.12

dsign3.xml

1201

```

001 <document>
002   <Signature>
003     <SignedInfo>
004       <SignatureMethod Algorithm="http:// . . . "/>
005       <Reference IDREF="ALL">
006         . . .
007       </Reference>
008     </SignedInfo>
009     <SignatureValue>
010       MCwCFB0M62xm4MGm7qfBt8R+6slauJ8cw7yALDZJhziFOg07srWhaiA=
011     </SignatureValue>
012     <KeyInfo>
013       <X509Date>
014         <X509Name> CN=Taro Yamada, O=Hitachi syuppan, C=JP </X509Name>
015         . . .
016       </X509Date>
017     </keyInfo>
018   </Signature>

```

1202

```

019 </Object ID="ALL">
020   <Signature>
021     <SignedInfo>
022       <SignatureMethod Algorithm="http:// . . . "/>
023       <Reference IDREF="title">
024         . . .
025       </Reference>
026     </SignedInfo>
027     <SignatureValue>
028       MCwCFB0M62xm4MGm7qfBt8R+Zv4YulAhRvQHQIOYOg0
029     </SignatureValue>
030     <KeyInfo>
031       <X509Date>
032         <X509Name> CN=Taminori Tomita, C=JP </X509Name>
033         . . .
034       </X509Date>
035     </keyInfo>
036   </Signature>

```

1203

1204

```

037 </Object ID="title">
038   <title>[ABSTRACT] </title>
039   <lines>
040     <line>[OBJECT]
041     <line>TO PROVIDE A TECHNOLOGY WHICH IS CAPABLE OF PREVENTING UNFAIR
042       USE OF DIGITAL CONTENTS </line>
043     <line>[SOLVING MEANS] </line>
044     <line>A DIGITAL CONTENTS UNFAIR USE PREVENTING METHOD WHICH PREVENTS
045       UNFAIR USE OF DIGITAL CONTENTS COMPRISING THE STEPS OF: </line>
046     <line>PRESETTING INFORMATION ON THE STATE TO CONTROL THE PLAYBACK
047       PROCESSING OF THE DIGITAL CONTENTS IN INTEREST; AND </line>
048     <line>DEPENDING UPON THE VALUE OF SAID PRESET STATE INFORMATION, </line>
049     <line>CONTROLLING THE PLAYBACK PROCESSING OF THE DIGITAL CONTENTS IN
050       INTEREST </line>
051   </lines>
052 </Object>
053 </document>

```

100280-1650466

FIG.13

#	DIGITAL SIGNATURE FILENAME	SIGNATORY INFORMATION	DIGITAL SIGNATURE OBJECT DATA FILENAME	SIGNATURE OBJECT DATA IDENTIFIER	SIGNATURE VERIFICATION RESULT
1	dsign3.xml	CN=Taro Yamada, O=Hitachi syuppann, C=JP	dsign3.html	ALL	OK
2	dsign3.xml	CN=Taminori Tomita, C=JP	dsign3.html	title	OK

1301

1302

FIG.14

